

Title (en)
INDICATION-DEPENDENT DISPLAY OF A MEDICAL IMAGE

Title (de)
INDIKATIONSABHÄNGIGE ANZEIGE EINES MEDIZINISCHEN BILDES

Title (fr)
AFFICHAGE DÉPENDANT D'UNE INDICATION D'UNE IMAGE MÉDICALE

Publication
EP 3143599 A1 20170322 (EN)

Application
EP 14724731 A 20140515

Priority
EP 2014059969 W 20140515

Abstract (en)
[origin: WO2015172833A1] The present invention relates to a medical data processing method of determining an image of an anatomical structure of a patient's body, the method comprising the following steps which are constituted to be executed by a computer: a) acquiring (S1) atlas data describing an image-based model of at least part of a human body comprising the anatomical structure; b) acquiring (S1) patient medical image data describing a patient-specific medical image of the anatomical structure in the patient's body, wherein the patient medical image data comprises in particular three-dimensional image information c) determining (S2), based on the atlas data and the patient medical image data, atlas- patient transformation data describing a transformation between the image-based model and the anatomical structure in the patient's body; d) acquiring (S3, S4) medical indication data describing a medical indication which the anatomical structure is subject to; e) acquiring (S7) imaging parameter data describing at least one imaging parameter for generating, from the image-based model, an image of the anatomical structure in dependence on the medical indication data: f) determining (S8) indication image data describing an indication-specific image (1) of the anatomical structure in the patient, wherein the indication image data is determined (S8) based on the patient medical image data and the atlas-patient transformation data and the medical indication data and the imaging parameter data.

IPC 8 full level
G06T 19/20 (2011.01)

CPC (source: EP US)
G06T 7/0012 (2013.01 - US); **G06T 11/60** (2013.01 - US); **G06T 15/20** (2013.01 - EP); **G06T 19/20** (2013.01 - EP US); **G16H 30/40** (2018.01 - EP); **G16H 50/50** (2018.01 - EP); **G06T 2207/10004** (2013.01 - US); **G06T 2210/41** (2013.01 - EP); **G06T 2219/2004** (2013.01 - EP); **G16H 20/40** (2018.01 - EP); **G16H 70/20** (2018.01 - EP); **G16H 70/60** (2018.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015172833 A1 20151119; EP 3143599 A1 20170322; EP 4343707 A2 20240327; EP 4343707 A3 20240424; US 2017084028 A1 20170323; US 9928588 B2 20180327

DOCDB simple family (application)
EP 2014059969 W 20140515; EP 14724731 A 20140515; EP 24152320 A 20140515; US 201415311183 A 20140515